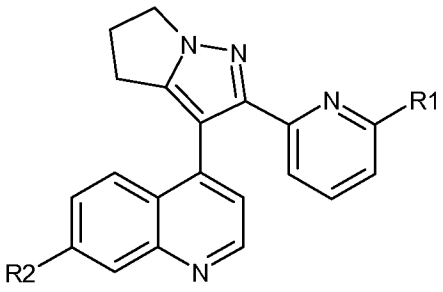
Amendments to the Claims

Please amend the claims as follows:

1.-4. (Cancelled)

5. (Currently amended) A compound of the formula:



Formula I

wherein,

R1 represents hydrogen, halo, or (C1-C4)alkyl; and

R2 represents:

(a) aryl;

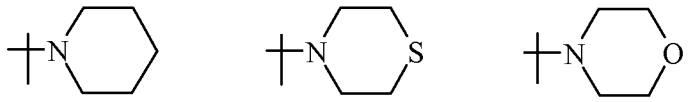
(b) aryl optionally substituted one to three times with a substituent independently selected from the group consisting of:

(i) halo,
(ii) amino,
(iii) nitro,
(iv) hydroxy,
(v) cyano,
(vi) $(C_1\text{-}C_4)$alkyl,
(vii) $(C_1\text{-}C_4)$alkoxy,
(viii) hydroxy$(C_1\text{-}C_4)$alkyl,
(ix) amino$(C_1\text{-}C_4)$alkyl
(x) hydroxy$(C_1\text{-}C_4)$alkoxy,
(xi) halo$(C_1\text{-}C_4)$alkoxy,
(xii) $(C_1\text{-}C_4)$alkoxy$(C_1\text{-}C_4)$alkoxy,
(xiii) trifluoromethyl,
(xiv) difluoromethyl,
(xv) trifluromethoxy,
(xvi) difluoromethoxy,
(xvii) $(C_3\text{-}C_7)$cylcoalkyl,
(xviii) COR^3,

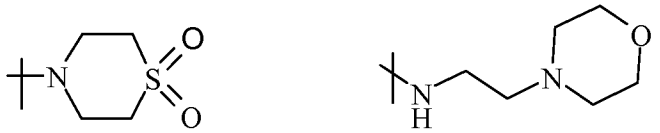
(xix) $(C_1\text{-}C_4)$alkyl-COR4,
(xx) amino$(C_1\text{-}C_4)$alkyl- COR4,
(xxi) hydroxy$(C_1\text{-}C_4)$alkyl- COR4
(xxii) $(C_1\text{-}C_4)$alkoxy-COR5,
(xxiii) $-C(NH_2)=N\text{-}OH$
(xxiv) $NHSO_2R^6$,
(xxv) SO_2R^7,
(xxvi) $NHCOR^8$,
(xxvii) SOR^9,
(xxviii)SR^{10},
(xxix) $CONHR^{11}$,
(xxx) $O\text{–}(CH_2)q\text{–}NR^{12}R^{13}$, wherein q represents 1-4,
(xxxi) tetrazole,
(xxxii) methyltetrazole, and
(xxxiii) $CONCH\text{-}NR^{15}R^{16}$

(c) thiophen-2-yl, thiophen-3-yl, pyridin-4-yl, pyridin-3-yl, furan-3-yl, furan-2-yl, thiazol-2-yl, pyrazin-2-yl, pyridin-2-yl, 1H-pyrrol-2-yl, 1H-pyrrol-3-yl, pyrimidin-2-yl, pyrimidin-5-yl, imidazol-1-yl, [1,2,4]triazol-1-yl, pyrazol-1-yl, [1,2,3]triazol-1-yl, piperidin-1-yl, 1,1-Dioxo-1λ6-thiomorph-olin-4-yl, piperazin-1-yl, 4-methylthiophen-2-yl, 6-carboxypyridin-2-yl, 5-fluoropyridin-2-yl, 6-methoxypyridazin-3-yl, 2-aminopyrimidin-5-yl, 5-aminosulfonyl thiophen-2-yl, or 4-tert-butoxycarbonyl piperazin-1-yl;
(d) benzofused heterocycle;
(e) benzofused heterocycle optionally substituted one or two times with a substituent independently selected from the group consisting of:
(i) halo,
(ii) amino,
(iii) $(C_1\text{-}C_4)$alkyl,
(iv) $(C_1\text{-}C_4)$alkoxy, and
(v) $(C_1\text{-}C_4)$alkylcarbonyl, or
(f) $(C_3\text{-}C_7)$cycloalkyl;

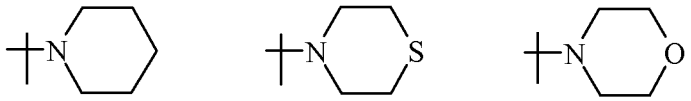
R^3 represents independently at each occurrence amino, hydroxy, $(C_1\text{-}C_4)$alkyl, $(C_1\text{-}C_4)$alkoxy, NH-$(C_1\text{-}C_4)$alkylamine, N,N-$(C_1\text{-}C_4)$dialkylamine, or a heterocycle selected from the group consisting of:



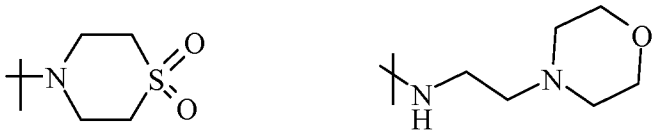
(a) , (b) , (c)



(d) , or (e)



(a) , (b) , (c)



(d) , or (e)

R^4 and R^5 represent independently at each occurrence amino, hydroxy, $(C_1$-$C_4)$alkyl, or $(C_1$-$C_4)$alkoxy;

R^6 and R^7 represent independently at each occurrence amino or (C1-C4)alkyl;

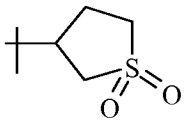
R^8 represents independently at each occurrence amino, $(C_1$-$C_4)$alkyl, or $(C_1$-$C_4)$alkoxy;

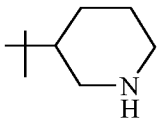
R^9 and R^{10} represent independently at each occurrence (C1-C4)alkyl;

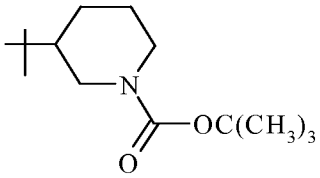
R^{11} represents independently at each occurrence (C1-C4)alkyl or a substituent selected from the group consisting of:

(a) $-(CH_2)_n-X-Y$

(b) $-CH(COR^{14})-(CH_2)_m-X'-Y'$

(c) 

(d) 

and (e) 

wherein,

n and m each independently represent 0-4;

X and X' represent independently at each occurrence –CO-, $-CH_2-$, -NH-, -S-, or $–SO_2-$; and

Y and Y' represent independently at each occurrence amino, hydroxy, (C_1-C_4)alkyl, (C_1-C_4)alkoxy, (C_1-C_4)alkoxycarbonyl, NH-(C_1-C_4)alkylamine, or N,N-(C_1-C_4)dialkylamine,

provided that where X or X' represents S, then Y or ~~Y''~~ Y' is not amino or hydroxy;

R^{12} and R^{13} represent independently at each occurrence hydrogen or (C_1-C_4)alkyl, or R^{12} and R^{13} together with the nitrogen atom to which they are attached form a piperidino, pyrrolidino, morpholino or a methylpiperazino group;

R^{14} represents independently at each occurrence hydroxy, amino, or (C_1-C_4)alkoxy; and

R^{15} and R^{16} each represent independently at each occurrence hydrogen or (C_1-C_4)alkyl,

or a pharmaceutically acceptable salt thereof.

6. (Previously presented) The compound according to Claim 5 wherein R1 represents hydrogen or (C_1-C_4)alkyl.

7. (Previously presented) The compound according to Claim 6 wherein R1 represents hydrogen or methyl.

8. (Currently amended) The compound according to Claim 5 wherein R2 represents

(a) phenyl;

(b) phenyl optionally substituted one to three times with a substituent independently selected from the group consisting of:

(i) halo,
(ii) amino,
(iii) nitro,
(iv) hydroxy,
(v) cyano,
(vi) $(C_1\text{-}C_4)$alkyl,
(vii) $(C_1\text{-}C_4)$alkoxy,
(viii) amino$(C_1\text{-}C_4)$alkyl
(ix) hydroxy$(C_1\text{-}C_4)$alkoxy,
(x) halo$(C_1\text{-}C_4)$alkoxy,
(xi) $(C_1\text{-}C_4)$alkoxy$(C_1\text{-}C_4)$alkoxy,
(xii) trifluoromethyl,
(xiii) $(C_3\text{-}C_7)$cylcoalkyl,
(xiv) COR^3,
(xv) $(C_1\text{-}C_4)$alkyl-COR4,
(xvi) $(C_1\text{-}C_4)$alkoxy-COR5,
(xvii) $NHSO_2R^6$,
(xviii) SO_2R^7,
(xix) $NHCOR^8$,
(xx) SOR^9,
(xxi) SR^{10},
(xxii) $CONHR^{11}$, and
(xxiii) $O\text{–}(CH_2)q\text{–}NR^{12}R^{13}$, wherein q represents 1-4,

~~(c) thiopheneyl, furanyl, imidazolyl, pyrazolyl, pyrrolyl, thiazolyl, triazolyl, pyridinyl, pyrimidyl, pyrazinyl, pyridiazinyl, piperidinyl, piperazinyl, pyrimidinyl, or dioxo-thiomorpholinyl,;~~

~~(d) thiopheneyl, furanyl, imidazolyl, pyrazolyl, pyrrolyl, thiazolyl, triazolyl, pyridinyl, pyrimidyl, pyrazinyl, pyridiazinyl, piperidinyl, piperazinyl, pyrimidinyl, or dioxo-thiomorpholinyl optionally substituted one to three times with a substituent independently selected from the group consisting of:~~

~~(i) fluoro, bromo, or chloro,~~
~~(ii) amino,~~
~~(iii) (C_1-C_4)alkyl,~~
~~(xxiv) (C_1-C_4)alkoxy,~~
~~(xxv) COR_3, and~~
~~(xxvi) SO_2R^7,~~

~~(e) benzimidazole, benzofuran, benzothiophene, benzo[1,3] dioxolyl, benzothiazole, 2,2-dioxy-2,3-dihydro-1H-2λ^6-benzo[c]thiophene, or indole;~~

~~(f) benzimidazole, benzofuran, benzothiophene, benzo[1,3] dioxolyl, benzothiazole, 2,2-dioxy-2,3-dihydro-1H-2λ^6-benzo[c]thiophene, and indole optionally substituted one or two times with a substituent independently selected from the group consisting of:~~

~~(i) amino, and~~
~~(ii) (C_1-C_4)alkyl; or~~

~~(g) cyclohexyl.~~

(c) thiophen-2-yl, thiophen-3-yl, pyridin-4-yl, pyridin-3-yl, furan-3-yl, furan-2-yl, thiazol-2-yl, pyrazin-2-yl, pyridin-2-yl, 1H-pyrrol-2-yl, 1H-pyrrol-3-yl, pyrimidin-2-yl, pyrimidin-5-yl, imidazol-1-yl, [1,2,4]triazol-1-yl, pyrazol-1-yl, [1,2,3]triazol-1-yl, piperidin-1-yl, 1,1-Dioxo-1λ6-thiomorph-olin-4-yl, piperazin-1-yl, 4-methylthiophen-2-yl, 6-carboxypyridin-2-yl, 5-fluoropyridin-2-yl, 6-methoxypyridazin-3-yl, 2-aminopyrimidin-5-yl, 5-aminosulfonyl thiophen-2-yl, or 4-tert-butoxycarbonyl piperazin-1-yl;

(d) benzofused heterocycle;

(e) benzofused heterocycle optionally substituted one or two times with a substituent independently selected from the group consisting of:

(vi) halo,
(vii) amino,
(viii) (C_1-C_4)alkyl,
(ix) (C_1-C_4)alkoxy, and
(x) (C_1-C_4)alkylcarbonyl, or

(f) (C_3-C_7)cycloalkyl.

9. (Currently amended) The compound according to Claim 8 wherein R2 represents

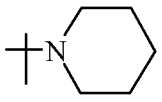
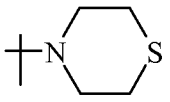
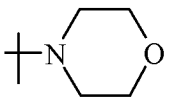
(a) phenyl;

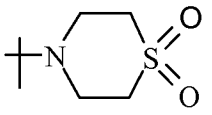
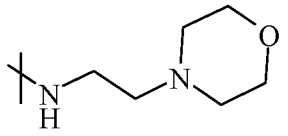
(b) phenyl optionally substituted one to three times with a substituent independently selected from the group consisting of:

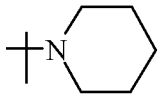
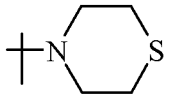
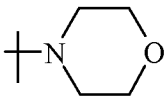
(i) fluoro, bromo, or chloro,

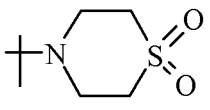
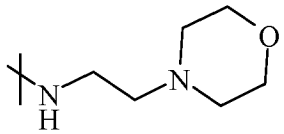
(ii) amino,

(iii) nitro,
(iv) hydroxy,
(v) cyano,
(vi) methyl, ethyl, propyl, butyl, i-butyl,
(vii) methoxy or ethoxy,
(viii) aminomethyl or aminoethyl,
(ix) hydroxy methoxy or hydroxy ethoxy,
(x) 2-fluoro ethoxy or 2-trifluoro ethoxy,
(xi) methoxy ethoxy,
(xii) trifluoromethyl,
(xiii) cyclohexyl,
(xiv) COR^3, wherein R3 represents amino, hydroxy, (C_1-C_4)alkyl, (C_1-C_4)alkoxy, N,N-(C_1-C_4)dialkylamine,
or a heterocycle selected from the group consisting of:


(a) ,

(b) ,

(c)


(d) , or

(e)


(i) ,

(ii) ,

(iii)


(iv) , or

(v)

(xv) (C_1-C_4)alkyl-COR4, wherein R4 represents hydroxy, amino, or (Cl-C4)alkoxy,

(xvi) (C_1-C_4)alkoxy-COR5, wherein R5 represents hydroxyl or amino,

(xvii) $NHSO_2R^6$, wherein R6 represents (Cl-C4)alkyl,

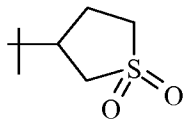
(xviii) SO_2R^7, wherein R7 represents amino or (C1-C4)alkyl,

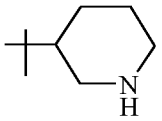
(xix) $NHCOR^8$, wherein R8 represents methyl,

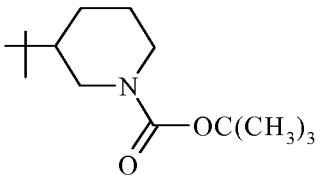
(xx) SOR^9, wherein R9 represents methyl,

(xxi) SR^{10}, wherein RI0 represents methyl or ethyl,

(xxii) $CONHR^{11}$, wherein R11 represents -(CH_2)n-X-Y, where n=0-2, X represents -S-, -CH_2-, -(CH_2)$_2$-, -NH-, -CO-, or -SO_2-, and Y represents amino, (Cl-C4)alkyl, (Cl-C4)alkoxycarbonyl, or NH-(Cl-C4)alkylamine; or wherein R11 represents CH(COR14)-(CH_2)m-X'-Y" where R14 represents hydroxy or (Cl-C4)alkoxy, m=0-4, X' represents -S-, -CH_2-, -NH-, or -CO-, and Y' represents represents amino, hydroxy, (Cl-C4)alkyl, or (Cl-C4)alkoxycarbonyl; or wherein R11 represents a group selected from the following:

(a) 

(b) 

and (c) 

(xxiii) O-(CH_2)q-$NR^{12}R^{13}$, wherein q represents 1-3, R12 and R13 independently represent hydrogen or methyl or R12 and R13 together with the nitrogen to which they are attached form a piperidino, pyrrolidino, morpholino or a methylpiperazino group;

~~(c) thiopheneyl, furanyl, imidazolyl, pyrazolyl, pyrrolyl, thiazolyl, triazolyl, pyridinyl, pyrimidyl, pyrazinyl, pyridiazinyl, piperidinyl, piperazinyl, pyrimidinyl, or dioxo-thiomorpholinyl,;~~

~~(d) thiopheneyl, furanyl, imidazolyl, pyrazolyl, pyrrolyl, thiazolyl, triazolyl, pyridinyl, pyrimidyl, pyrazinyl, pyridiazinyl, piperidinyl, piperazinyl, pyrimidinyl, or dioxo-thiomorpholinyl optionally substituted one to three times with a substituent independently selected from the group consisting of:~~

~~(i) fluoro, bromo, or chloro,~~

~~(ii) amino,~~

~~(iii) methyl,~~

~~(iv) methoxy,~~

~~(v) COR^3, wherein R3 represents hydroxy, (Cl-C4)alkoxy or pyridine,~~

~~(vi) SO_2R^7, wherein R7 represents amino~~

~~(e) benzimidazole, benzofuran, benzothiophene, benzo[1,3]-dioxolyl, benzothiazole, 2,2-dioxy-2,3-dihydro-lH-2λ^6-benzo[c]thiophene, or indole;~~

~~(f) benzimidazole, benzofuran, benzothiophene, benzo[1,3]-dioxolyl, benzothiazole, 2,2-dioxy-2,3-dihydro-lH-2λ^6-benzo[c]thiophene, and indole optionally substituted one or two times with a substituent independently selected from the group consisting of:~~

~~(i) amino, or~~

~~(ii) methyl; or~~

~~(g) cyclohexyl.~~

(c) thiophen-2-yl, thiophen-3-yl, pyridin-4-yl, pyridin-3-yl, furan-3-yl, furan-2-yl, thiazol-2-yl, pyrazin-2-yl, pyridin-2-yl, 1H-pyrrol-2-yl, 1H-pyrrol-3-yl, pyrimidin-2-yl, pyrimidin-5-yl, imidazol-1-yl, [1,2,4]triazol-1-yl, pyrazol-1-yl, [1,2,3]triazol-1-yl, piperidin-1-yl, 1,1-Dioxo-1λ6-thiomorph-olin-4-yl, piperazin-1-yl, 4-methylthiophen-2-yl, 6-carboxypyridin-2-yl, 5-fluoropyridin-2-yl, 6-methoxypyridazin-3-yl, 2-aminopyrimidin-5-yl, 5-aminosulfonyl thiophen-2-yl, or 4-tert-butoxycarbonyl piperazin-1-yl;

(d) benzofused heterocycle;

(e) benzofused heterocycle optionally substituted one or two times with a substituent independently selected from the group consisting of:

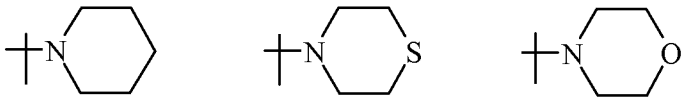
(i) amino or

(ii) methyl; or

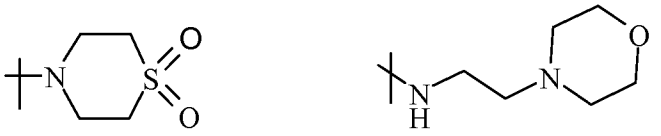
(f) (C_3-C_7)cycloalkyl;

10. (Previously presented) The compound according to Claim 9 wherein R2 represents phenyl or phenyl optionally substituted one to three times with a substituent independently selected from the group consisting of:

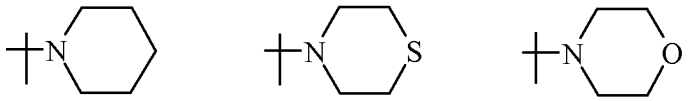
(i) fluoro, bromo, or chloro,
(ii) amino,
(iii) nitro,
(iv) hydroxy,
(v) cyano,
(vi) methyl, ethyl, propyl, butyl, i-butyl,
(vii) methoxy or ethoxy,
(viii) aminomethyl or aminoethyl,
(ix) hydroxy methoxy or hydroxy ethoxy,
(x) 2-fluoro ethoxy or 2-trifluoro ethoxy,
(xi) methoxy ethoxy,
(xii) trifluoromethyl,
(xiii) cyclohexyl,
(xiv) COR^3, wherein R3 represents amino, hydroxy, (Cl-C4)alkyl, (Cl-C4)alkoxy, N,N-(C_1 -C_4)dialkyiamine, or a heterocycle selected from the group consisting of:



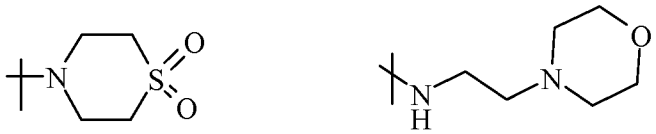
(a) , (b) , (c)



(d) , or (e)



(i) , (ii) , (iii)



(iv) , or (v)

(xv) (C_1-C_4)alkyl-COR4, wherein R4 represents hydroxy, amino, or (Cl-C4)alkoxy,

(xvi) (C_1-C_4)alkoxy-COR5, wherein R5 represents hydroxyl or amino,

(xvii) $NHSO_2R^6$, wherein R6 represents (Cl-C4)alkyl,

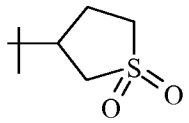
(xviii) SO_2R^7, wherein R7 represents amino or (C1-C4)alkyl,

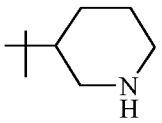
(xix) $NHCOR^8$, wherein R8 represents methyl,

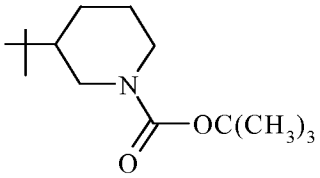
(xx) SOR^9, wherein R9 represents methyl,

(xxi) SR^{10}, wherein RI0 represents methyl or ethyl,

(xxii) $CONHR^{11}$, wherein R11 represents -(CH_2)n-X-Y, where n=0-2, X represents -S-, -CH_2-, -(CH_2)-, -NH-, -CO-, or -SO_2-, and Y represents amino, (Cl-C4)alkyl, (Cl-C4)alkoxycarbonyl, or NH-(Cl-C4)alkylamine; or wherein R11 represents CH(COR14)-(CH_2)m-X'-Y" where R14 represents hydroxy or (Cl-C4)alkoxy, m=0-4, X' represents -S-, -CH_2-, -NH-, or -CO-, and Y' represents represents amino, hydroxy, (Cl-C4)alkyl, or (Cl-C4)alkoxycarbonyl; or wherein R11 represents a group selected from the following:

(a) 

(b) 

and (c) 

(xxiii) O-(CH_2)q-$NR^{12}R^{13}$, wherein q represents 1-3, R12 and R13 independently represent hydrogen or methyl or R12 and R13 together with the nitrogen to which they are attached form a piperidino, pyrrolidino, morpholino or a methylpiperazino group.

11. (Cancelled).

12. (Previously presented) The compound according to Claim 9 wherein R2 represents benzimidazole, benzofuran, benzothiophene, benzo[1,3]-dioxolyl, benzothiazole, 2,2-dioxy-2,3-dihydro- I H-2λ^6-benzo[c]thiophene, indole; or benzoimidazole, benzofuran, benzothiophene, benzo[1,3]-dioxolyl, benzothiazole, 2,2-dioxy-2,3-dihydro- I H-2λ^6-benzo[c]thiophene, or indole optionally substituted one or two times with a substituent independently selected from the group consisting of:

(i) amino, or

(ii) methyl.

13. (Previously presented) A pharmaceutical composition comprising as an active ingredient a compound according to Claim 5 in combination with a pharmaceutically acceptable carrier, diluent or excipient.

14. (Cancelled).